



California-Nevada Section

CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

Water System Name:

Water Audit Period:

City of Loma Linda

Calendar 2016

3610013

Water Audit & Water Loss Improvement Steps:

The Water Department has submitted budget requests for fiscal year 2018 to establish a retail customer water meter testing program and leak detection program for water system and water mains.

In 2017 we began to track post production water that was used in the various processes within the treatment facilities.

In 2017 we began to perform annual meter calibration program for all water production meters with in the water system.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M35, Fourth Edition* and in the Free Water Audit Software version 5.

Russ Handy

09/28/2017

Utilities Superintendent

Executive Name (Print)

Executive Position

Date

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: Loma Linda PWS ID: 3610013
System Type: Potable Audit Period: Calendar 2016
Utility Representation: Dennis Bolt (Public Works), Carry Howard (Public Works), Gabriel Orozco (Public Works), Russ Handy (Public Works)
Validation Date: 5/24/2017 Call Time: 1:00pm Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 56 Data Validity Band (Level): Band III (51-70)
ILI: 0.67 Real Loss: 14.19 (ga/conn/day) Apparent Loss: 14.23 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 2.3

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.

Validator Information:

Water Audit Validator: Tory Wagoner / Drew Blackwell (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

W S O
Santana, Wagoner, Orosco, Inc.
Engineering, Consulting, Construction

CAVANAUGH
Engineering, Consulting, Construction